



Employment Opportunity **FISHERIES BIOMETRICIAN**

Salary: \$4106- \$5258

Range: 60

Bulletin # 619

Opens: January 7, 2007

Closes: Until Filled

- Location:** There is one opening in the Fish Program, Science Division, Quantitative Assessment Unit. Duty station is the Natural Resource Building in Olympia, WA.
- Duties:** This position serves as a principal advisor on mathematical statistics to ensure that the agency's quantitative assessments are scientifically defensible. It evaluates and recommends improvements to analytical methods used in resource assessments, develops new methods and conducts analyses to address analytical limitations for emerging resource assessment requirements. The position documents methods and interprets and communicates methods and results from resource assessments. The broad based responsibilities of WDFW provide a continuously renewing variety of topics that will challenge statistical innovation in application of the scientific method.

Specifically, this position will:

- Develop operational plans to optimize fishery, hatchery, and salmonid spawning ground sampling programs for genetic, age, mark rate, and other data,
- Statistically analyze mark-recapture studies, redd counts, and other data to assess and improve estimates of the abundance of salmonid spawners,
- Estimate the productivity of natural populations of salmonids, and
- Provide general consultation to staff in the areas of research and statistics.

- Competencies:** We are seeking candidates with a strong background in mathematical statistics, proficiency in developing computer programs and using command level statistical software, a clear understanding of the scientific method, an ability to clearly communicate complex topics to persons without similar backgrounds, and demonstrated abilities as an innovative thinker and proactive problem solver. The successful candidate should be able to work as a member of a team, evaluate and compare alternative approaches, read, understand, and interpret complex statistical, mathematical and other technical information, derive statistical estimation methods, develop appropriate and cost-effective sampling programs, and provide clear written documentation of methods and rationale.

- Work conditions:** This position functions primarily in an office setting. However, evenings and/or weekends will be required on occasion to attend multi-jurisdictional meetings or for other agency priority deadlines.

- Required Qualifications:** (1) A Doctoral degree with a major in mathematics or statistics and major emphasis in animal population or management, or (2) a Doctoral degree with a major in fisheries science or fisheries management and major emphasis in mathematical statistics, or (3) a Master's degree with a major in mathematics, statistics or population biology (with strong emphasis on statistics) and three years of experience designing statistical or mathematical research in population biology or population management.

Special Note: This position is covered by a collective bargaining agreement between the State of Washington, Department of Fish and Wildlife, and the Washington Public Employees Association (WPEA), which contains a "union security" provision. This means that, as a condition of employment you must either join the union and pay union dues, or pay the union a representational or other fee within 30 days of the date you are put into pay status.

- Preferred Qualifications:** Experience with Northwestern salmonids fishes (genera *Oncorhynchus* and *Salvelinus*), fisheries management, and computer programming

- To apply:** If you are interested in this opportunity, please submit a state application with a cover letter describing how you meet the qualifications and competencies, and a resume or curriculum vita to:

Web site for state application is:
[http://www.dop.wa.gov/Resources/Forms/.](http://www.dop.wa.gov/Resources/Forms/)

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